

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1-224. (Canceled)

225. (New) Apparatus for holding an organ for at least one of perfusion, storage, diagnosis and transport of the organ, comprising:

a portable housing;

a pump; and

an organ supporting surface configured to support an organ within said housing, wherein the pump is connected to at least one tube directed to a first area of the organ and to at least one other tube directed to a second area of the organ.

226. (New) The apparatus of claim 225, wherein the number of tubes directed to the first area of the organ differs from the number of tubes directed to the second area of the organ.

227. (New) The apparatus of claim 225, wherein one side of the portable housing comprises one or more of a filter, bubble trap, pressure transducer, temperature transducer and a flow sensor and wherein another side of the portable housing comprises one or more of a filter, bubble trap, pressure transducer, temperature transducer and a flow sensor.

228. (New) A system for holding an organ for at least two of perfusion, storage and transport of the organ, comprising:

a portable housing for holding the organ;

an organ perfusion apparatus adapted to receive the portable housing; and

a transporter adapted to receive the portable housing;

wherein the portable housing is configured to be received by each of the transporter and the organ perfusion apparatus, and is configured to allow perfusion, storage, and transport of the organ without removal of the organ from the portable housing.

229. (New) The system of claim 228, further comprising an organ diagnostic device adapted to receive the portable housing, wherein the portable housing is further configured to be received by the organ diagnostic device and to allow diagnosis of the organ without removal of the organ from the portable housing.

230. (New) The system of claim 228, wherein the portable housing includes tubing and connection devices to allow connection of an organ in the portable housing to tubing of at least one of the transporter and the organ perfusion apparatus.

231. (New) The system of claim 228, wherein the portable housing includes a handle.

232. (New) The system of claim 228, wherein the portable housing is made of a transparent material.

233. (New) A method of at least two of perfusion, storage, and transport of an organ, comprising:

placing the organ in a portable housing;

placing the portable housing containing the organ in an organ perfusion apparatus and perfusing the organ in said portable housing in said organ perfusion apparatus without removal of the organ from the portable housing; and

placing the portable housing containing the organ in a transporter and transporting the organ in said portable housing in said transporter without removal of the organ from the portable housing.

234. (New) The method of claim 233, further comprising placing the portable housing containing the organ in an organ diagnostic device and performing diagnosis of the

organ in said portable housing in said organ diagnostic device without removal of the organ from the portable housing.

235. (New) The method of claim 233, further comprising connecting tubing and connection devices of the portable housing to the organ, to allow connection of the organ in the portable housing to tubing of at least one of the transporter and the organ perfusion apparatus.

236. (New) Apparatus for holding an organ for at least one of perfusion, storage, diagnosis and transport of the organ, comprising:

a portable housing;

an organ supporting surface configured to support an organ within said housing while allowing effluent medical fluid to pass through said organ, wherein the portable housing is configured to be received by at least one of an organ perfusion device, an organ transporter and an organ diagnostic device, and includes openings configured to allow tubing to pass through said openings and be connected to the organ and wherein at least a portion of said portable housing includes transferable data regarding at least one of said portable housing and contents of said portable housing.

237. (New) The apparatus of claim 236, wherein the transferable data is in the form of at least one of a bar code, magnetic tag, radio frequency tag, transmitter and global positioning system.

238. (New) The apparatus of claim 236, wherein the portion of the housing includes transferable data regarding an organ which forms at least part of the contents of the housing.

239. (New) The apparatus of claim 236, wherein the data includes information about at least one of an organ in the housing and a location of the housing.

240. (New) The apparatus of claim 239, wherein the information about the organ is at least one of an identity of the organ, perfusion information about the organ, and vascular resistance of the organ.

241. (New) The apparatus of claim 239, wherein the information about the organ includes information about at least one of an organ donor and an organ recipient.

242. (New) The apparatus of claim 236, wherein the portable housing further comprises an image recording apparatus to record at least one of a progress and status of the organ.

243. (New) The apparatus of claim 236, wherein a bottom portion of the housing is liquid-tight and configured to collect medical fluid that has passed through a perfused organ to form an organ bath.

244. (New) A system for holding an organ for at least two of perfusion, storage and transport of the organ, comprising:

a portable housing for holding the organ;

a transporter adapted to receive the portable housing; and

an organ perfusion apparatus adapted to receive the portable housing;

wherein the portable housing is configured to be received by each of the transporter and the organ perfusion apparatus, and is configured to allow perfusion, storage, and transport of the organ without removal of the organ from the portable housing, wherein at least a portion of the portable housing includes transferable data regarding at least one of the portable housing and its contents.

245. (New) The system of claim 244, further comprising an organ diagnostic device adapted to receive the portable housing, wherein the portable housing is further configured to be received by the organ diagnostic device and to allow diagnosis of the organ without removal of the organ from the portable housing.

246. (New) The system of claim 244, wherein the portable housing includes tubing and connection devices to allow connection of an organ in the portable housing to tubing of at least one of the transporter and the organ perfusion apparatus.

247. (New) The system of claim 244, wherein the portable housing includes a handle.

248. (New) The system of claim 244, wherein the transferable data is in the form of at least one of a bar code, magnetic tag, radio frequency tag, transmitter and global positioning system.

249. (New) The system of claim 244, wherein the portion of the housing includes transferable data regarding an organ which forms at least part of the contents of the housing.

250. (New) The system of claim 244, wherein the data includes information about at least one of an organ in the housing and a location of the housing.

251. (New) The system of claim 250, wherein the information about the organ is at least one of an identity of the organ, perfusion information about the organ, and vascular resistance of the organ.

252. (New) The system of claim 250, wherein the information about the organ includes information about at least one of an organ donor and an organ recipient.

253. (New) The system of claim 248, wherein at least one of the organ perfusion device, the organ transporter and the organ diagnostic device is configured to receive the transferable data.

254. (New) The system of claim 244, wherein the portable housing further comprises an image recording apparatus to record at least one of a progress and status of the organ.

255. (New) The system of claim 244, wherein a bottom portion of the housing is liquid-tight and configured to collect medical fluid that has passed through a perfused organ to form an organ bath.

256. (New) A method of at least two of perfusion, storage, and transport of an organ, comprising:

placing the organ in a portable housing;

placing the portable housing containing the organ in an organ perfusion apparatus and perfusing the organ in said portable housing in said organ perfusion apparatus without removal of the organ from the portable housing;

placing the portable housing containing the organ in a transporter and transporting the organ in said portable housing in said transporter without removal of the organ from the portable housing; and

transferring data regarding at least one of said portable housing and the organ from at least a portion of said portable housing.

257. (New) The method of claim 256, further comprising placing the portable housing containing the organ in an organ diagnostic device and performing diagnosis of the organ in said portable housing in said organ diagnostic device without removal of the organ from the portable housing.

258. (New) The method of claim 256, further comprising connecting tubing and connection devices of the portable housing to the organ, to allow connection of the organ in the portable housing to tubing of at least one of the transporter and the organ perfusion apparatus.

259. (New) The method of claim 256, wherein the transferable data is in the form of at least one of a bar code, magnetic tag, radio frequency tag, transmitter and global positioning system.

260. (New) The method of claim 256, wherein the portion of the housing includes transferable data regarding an organ which forms at least part of the contents of the housing.

261. (New) The method of claim 259, wherein the data includes information about at least one of an organ in the housing and a location of the housing.

262. (New) The method of claim 259, wherein the information about the organ is at least one of an identity of the organ, perfusion information about the organ, and vascular resistance of the organ.

263. (New) The method of claim 259, wherein the information about the organ includes information about at least one of an organ donor and an organ recipient.

264. (New) The method of claim 259, comprising transferring the data wirelessly to a remote location for at least one of managing, tracking, monitoring, and diagnosing the organ.

265. (New) The method of claim 259, comprising transferring the data to at least one of the organ perfusion device, the organ transporter and the organ diagnostic.

266. (New) The method of claim 265, further comprising transferring the data from at least one of said perfusion device, said diagnostic device and said organ transporter to a computer network.

267. (New) The method of claim 266, wherein the computer network at least one of manages, tracks, monitors, and diagnoses the organ.

268. (New) The method of claim 266, further comprising at least one of displaying, accessing, and uploading the data from the computer network.

269. (New) The method of claim 267, wherein the computer network is at least one of a local area network, and the World Wide Web.

270. (New) The method of claim 265, further comprising transferring the data wirelessly to a remote location for at least one of managing, tracking, monitoring, and diagnosing the organ.

271. (New) The method of claim 256, further comprising recording at least one of a progress and status of the organ with an image recording apparatus.